

Claims

- [c1] 1. A method of transferring data from a first end system to a second end system, wherein said first end system and said second end system are connected by a network, said method being performed in said first end system, said method comprising:
- determining whether to send said data in a compressed format;
- if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said second end system on said network; and
- otherwise, sending said data in an uncompressed format to said second end system on said network.
- [c2] 2. The method of claim 1, wherein said determining checks a processing load on each of said first end system and said second end system, and determines not to send said data in said compressed format if the processing load on either end system is determined to be more than a first threshold.
- [c3] 3. The method of claim 2, wherein said processing load

is checked periodically.

- [c4] 4. The method of claim 1, wherein said determining checks a type of said data and determines not to send said data in said compressed format if said type does not lend to substantial data compression.
- [c5] 5. The method of claim 1, wherein said determining examines a size of said data and determines not to send said data in said compressed format if said size is small.
- [c6] 6. The method of claim 5, wherein said determining checks a speed of data transfer on said network and determines not to use said compressed format if said speed is high.
- [c7] 7. The method of claim 6, wherein said speed is determined by sending an ICMP echo packet.
- [c8] 8. The method of claim 6, wherein said speed is determined by including a first local time stamp in a packet sent to said second end system, and receiving a second time stamp and a third time stamp from said second end system at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said second end system and said third time stamp indicates a time at which said packet is sent from said second end system, wherein

said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time stamp.

[c9] 9. The method of claim 1, wherein said first end system comprises one of a database server and a database client, and said second end system comprises the other one of said database server and said database client.

[c10] 10. The method of claim 1, wherein said data comprises software instructions.

[c11] 11. A computer readable medium carrying one or more sequences of instructions for causing a first end system to transfer a second end system, wherein said first end system and said second end system are connected by a network, wherein execution of said one or more sequences of instructions by one or more processors contained in said first end system causes said one or more processors to perform the actions of:
determining whether to send said data in a compressed format;
if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said second end system on said network; and

otherwise, sending said data in an uncompressed format to said second end system on said network.

- [c12] 12. The computer readable medium of claim 1, wherein said determining checks a processing load on each of said first end system and said second end system, and determines not to send said data in said compressed format if the processing load on either end system is determined to be more than a first threshold.
- [c13] 13. The computer readable medium of claim 12, wherein said processing load is checked periodically.
- [c14] 14. The computer readable medium of claim 1, wherein said determining checks a type of said data and determines not to send said data in said compressed format if said type does not lend to substantial data compression.
- [c15] 15. The computer readable medium of claim 1, wherein said determining examines a size of said data and determines not to send said data in said compressed format if said size is small.
- [c16] 16. The computer readable medium of claim 15, wherein said determining checks a speed of data transfer on said network and determines not to use said compressed format if said speed is above a second threshold.

- [c17] 17. The computer readable medium of claim 16, wherein said speed is determined by sending an ICMP echo packet.
- [c18] 18. The computer readable medium of claim 16, wherein said speed is determined by including a first local time stamp in a packet sent to said second end system, and receiving a second time stamp and a third time stamp from said second end system at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said second end system and said third time stamp indicates a time at which said packet is send from said second end system, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time stamp.
- [c19] 19. The computer readable medium of claim 1, wherein said first end system comprises one of a database server and a database client, and said second end system comprises the other one of said database server and said database client.
- [c20] 20. The computer readable medium of claim 1, wherein said data comprises software instructions.
- [c21] 21. An apparatus for transferring data from a first end

system to a second end system, wherein said first end system and said second end system are connected by a network, said apparatus being performed in said first end system, said apparatus comprising:
means for determining whether to send said data in a compressed format;
means for compressing said data to generate compressed data using a compression approach and means for sending said compressed data to said second end system on said network if it is determined to send said data in said compressed format; and
means for sending said data in an uncompressed format to said second end system on said network otherwise.

[c22] 22. The apparatus of claim 21, wherein said means for determining checks a processing load on each of said first end system and said second end system, and determines not to send said data in said compressed format if the processing load on either end system is determined to be more than a third threshold.

[c23] 23. The apparatus of claim 22, wherein said processing load is checked periodically.

[c24] 24. The apparatus of claim 21, wherein said means for determining checks a type of said data and determines not to send said data in said compressed format if said

type does not lend to substantial data compression.

[c25] 25. The apparatus of claim 21, wherein said means for determining examines a size of said data and determines not to send said data in said compressed format if said size is small.

[c26] 26. The apparatus of claim 25, wherein said means for determining checks a speed of data transfer on said network and determines not to use said compressed format if said speed is high.

[c27] 27. The apparatus of claim 26, wherein said means for determining determines said speed by sending an ICMP echo packet.

[c28] 28. The apparatus of claim 26, wherein said means for determining includes a first local time stamp in a packet sent to said second end system, and receives a second time stamp and a third time stamp from said second end system at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said second end system and said third time stamp indicates a time at which said packet is sent from said second end system, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp,

and said fourth time stamp.

- [c29] 29. The apparatus of claim 21, wherein said first end system comprises one of a database server and a database client, and said second end system comprises the other one of said database server and said database client.